

McDermott  
Will & Emery

October 26, 2004



TFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
MAIL STOP PCT  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

In re Application of: **MICROUNITY SYSTEMS ENGINEERING, INC.**  
Serial No.: **PCT/US2004/022126**  
Filed: **July 12, 2004**  
**PROGRAMMABLE PROCESSOR AND METHOD WITH WIDE OPERATIONS**  
Attorney Docket No.: **43876-164**

Attn: RO/US Authorized Officer: Lydell MEADOWS

Sir/Madame:

**RESPONSE TO INVITATION**

In response to the PCT Invitation to Correct Priority Claim dated August 26, 2004, applicant hereby submits copies of the following:

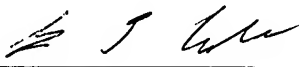
US Filing Receipt dated October 7, 2003  
US Filing Receipt dated February 11, 2004  
Petition and Response as filed December 8, 2004  
Postcard dated December 8, 2004  
Notice to File Missing Parts

evidencing a pending Petition regarding the official filing date in the corresponding US patent application for which this International PCT application claims priority.

Applicant hereby requests the US PCT Receiving Office to accept the filing date of the priority application as July 10, 2003, and allow submission of a corrected priority document once the US PTO has granted the filing date of the US priority application serial number 10/616,303.

It is further requested that the US Receiving Office prepare and transmit the priority document to WIPO when the corrected document is made available.

Respectfully submitted,  
McDERMOTT WILL & EMERY

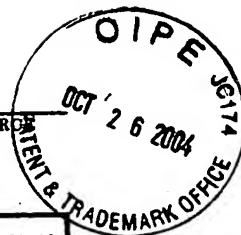
BY:   
\_\_\_\_\_  
Lawrence T. CULLEN  
Reg. No. 44,489

Enclosures



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
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www.uspto.gov



APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/616,303	07/10/2003	2183	0.00	43876-144	166	30	4

MCDERMOTT, WILL & EMERY  
600 13th Street, N.W.  
Washington, DC 20005-3096

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OCT 10 2003  
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MW&E

CONFIRMATION NO. 4587

## FILING RECEIPT



\*OC000000010995887\*

Date Mailed: 10/07/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

### Applicant(s)

Craig Hansen, Los Altos, CA;  
John Moussouris, Palo Alto, CA;  
Alexia Massalin, Sunnyvale, CA;

*San Jose*

### Domestic Priority data as claimed by applicant

This appln claims benefit of 60/394,665 07/10/2002  
and is a CIP of 09/922,319 08/02/2001 \*  
which is a CON of 09/382,402 08/24/1999 PAT 6,295,599  
which claims benefit of 60/097,635 08/24/1998  
and is a CIP of 09/169,963 10/13/1998 PAT 6,006,318  
which is a CON of 08/754,827 11/22/1996 PAT 5,822,603  
which is a DIV of 08/516,036 08/16/1995 PAT 5,742,840  
(\*Data provided by applicant is not consistent with PTO records.

### Foreign Applications

If Required, Foreign Filing License Granted: 10/07/2003

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No



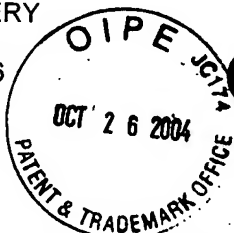
## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLMS	IND CLMS
10/616,303	12/19/2003	2183	1166	43876-144	167	30	4

CONFIRMATION NO. 4587

MCDERMOTT, WILL & EMERY  
 600 13th Street, N.W.  
 Washington, DC 20005-3096



UPDATED FILING RECEIPT



\*OC000000011879539\*

Date Mailed: 02/11/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

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 Alexia Massalin, San Jose, CA;

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 which is a CON of 08/754,827 11/22/1996 PAT 5,822,603  
 which is a DIV of 08/516,036 08/16/1995 PAT 5,742,840

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FEB 13 2004

MCDERMOTT, WILL &amp; EMERY

## Foreign Applications

If Required, Foreign Filing License Granted: 10/07/2003

Projected Publication Date: 05/20/2004

Non-Publication Request: No

Early Publication Request: No



# Country Application

08-Dec-03

**Client-Matter:** 043876-0144 **Country:** US **SubCase:** A0  
**Family Number:** 043876-0101 **United States of America**  
**Case Type:** CIP **Application Status:** Pending  
**Application Number:** 10/616,303 **Filing Date:** 10-Jul-2003  
**Patent Number:** **Issue Date:**  
**Publication Number:** **Publication Date:**  
**Priority Number:** 09/169,963 **Priority Date:** 13-Oct-1998  
**Tax Schedule:** SE **Expiration Date:**  
**Reel & Frame:** **Tax Start Date:**  
**Group Art Unit:** 2183 **ClientRef:** 43876-101  
**Agent:**  
**Agent Reference Number:**

**COPY**

## List Of User Actions

Action(s) Due	Due Date	Action Taken
Information Disclosure Stmt	24-Dec-2003	Due Date
DECL/POA DUE 1WK	01-Jan-2004	Reminder

Applicant: Craig HANSEN, et al. Docket No. 43876-144

Title: PROGRAMMABLE PROCESSOR AND METHOD WITH WIDE OPERATIONS Serial/Reg./Patent No. 10/616,303

Date Sent: 12/8/2003 ☐ Hand Carried ☐ Fax ☐ Electronic ☐ Cert. of Mailing ☐ Express Mail No. \_\_\_\_\_

☐ Transmittal Letter

New Patent App ☐ Utility ☐ Design ☐ Cont. ☐ CIP ☐ Div. ☐ PCT ☐ RCE ☐ Prov

☐ Other: \_\_\_\_\_

\_\_\_\_\_ pages of Specification

\_\_\_\_\_ pages of Claims

\_\_\_\_\_ pages of Abstract

1 pages of Formal/Informal Drawings

☐ Small Entity ☐ Large Entity

☐ Declaration/Power of Attorney

☐ Recordation of Assignment/Security Agreement

☐ Information Disclosure Statement

\_\_\_\_\_ Form PTO 1449

\_\_\_\_\_ copies of cited references

☐ Preliminary Amendment

☒ Response to Missing Parts Notice

☐ Resp. to Notice to Correct App. Papers

☐ Certified Copy of Priority Doc.

☐ Claim for Convention Priority

☐ Response/Amendment to Office Action of \_\_\_\_\_

☐ Request for \_\_\_\_\_ month Extension of Time

☐ Letter submitting \_\_\_\_\_ pages of drawings

☐ Req. for Approval of Drawing Amendments

☐ Req. for Oral Hearing

☐ Not. of Appeal ☐ Appeal Brief ☐ Reply Brief

☐ Rule 312 Amendment/Letter

☐ Req. for Acknowledgement of Cited Art

☐ Issue Fee

☐ Publication Fee

☐ Req. for Certificate of Correction

☐ Maintenance Fee for \_\_\_\_\_ years after grant

☐ Fee Address Indication Form

☐ Terminal Disclaimer

☒ Petition to Commissioner

☐ Status Inquiry

☒ Other Copy of stamped postcard



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CMS Descrip.: \_\_\_\_\_

THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED.

Docket No.: 43876-144



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 20277  
Craig HANSEN, et al. : Confirmation Number: 4587  
Serial No.: 10/616,303 : Group Art Unit:  
Filed: July 10, 2003 : Examiner:  
For: PROGRAMMABLE PROCESSOR AND METHOD WITH WIDE OPERATIONS

**COPY**

**PETITION AND RESPONSE TO NOTICE  
OF MISSING PARTS OF APPLICATION**

Mail Stop MISSING PARTS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice of Missing Parts of Application dated October 7, 2003,  
Applicants respectfully petition the Commissioner to enter Figures 34D and 34E of the drawings  
in the above-identified application. Submitted herewith are the following documents for filing in  
the above-referenced application:

1. Copy of Figures 34D and 34E as filed with the above-referenced application on  
July 10, 2003,
2. A copy of Applicants' date stamped PTO receipt card dated July 10, 2003, which  
indicates a total of 166 pages of drawings were submitted and a
3. Petition Fee of \$130.00.

**Figures 34D and 34E were deposited with the Patent and Trademark Office with the  
non-provisional application papers on July 10, 2003 as evidenced by the attached copy of**

the stamped postcard. As shown on the postcard, a total of 166 pages of drawings were submitted.

As Figures 34D and 34E were submitted in the original filing of the instant application, it is believed that the petition fee should be refunded to Applicants' Deposit Account.

Applicants respectfully submit copies of the above documentation in order to address the portion of the Missing Parts Notice regarding "items that appear to have been omitted from the application", and request that the official filing date of July 10, 2003 for the above-identified U.S. patent application be recognized (not the date of receipt of the documents submitted herewith).

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees and petition fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

It is requested that the official filing receipt now be issued.

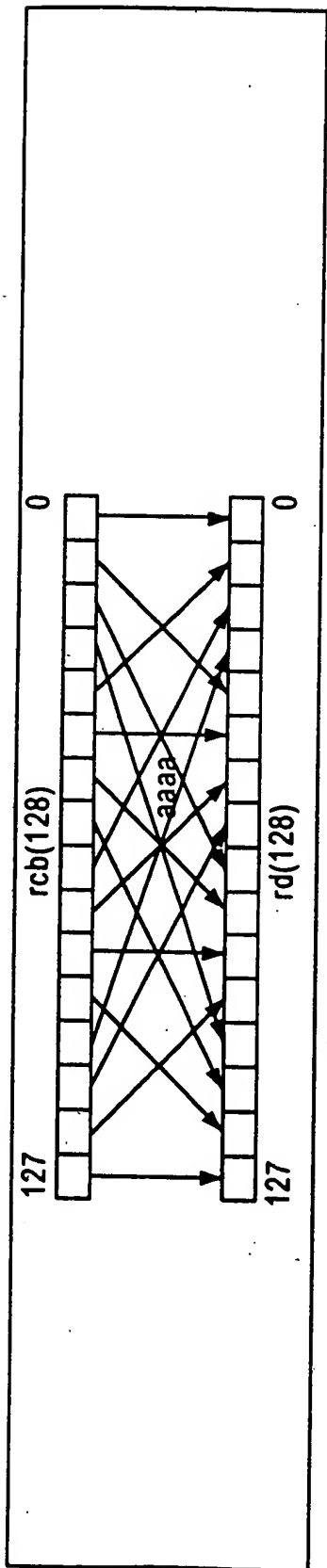
Respectfully submitted,

MCDERMOTT, WILL & EMERY



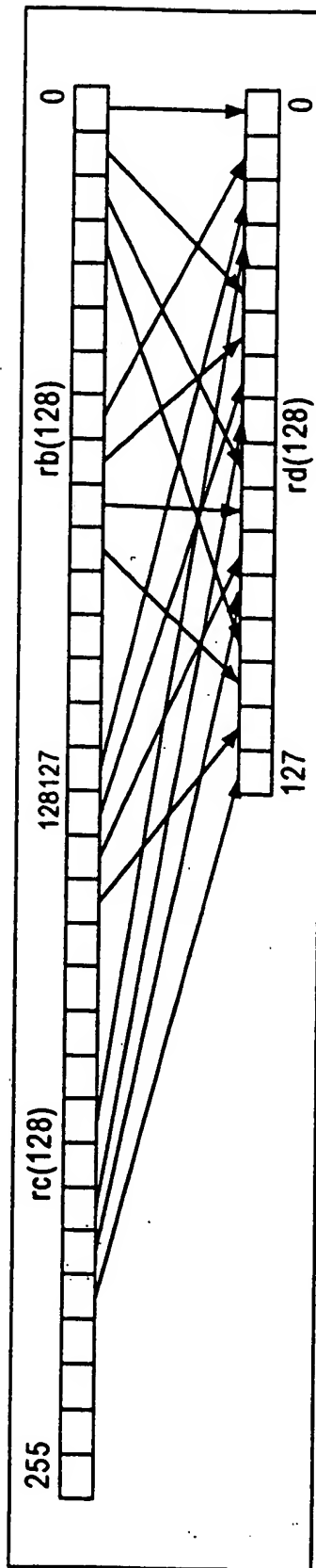
Lawrence T. Cullen  
Registration No. 44,489

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202) 756-8000 LTC:llm  
Facsimile: (202) 756-8087  
**Date: December 8, 2003**



4-way shuffle bytes within hexlet

FIG. 34D



4-way shuffle bytes within triclet

FIG. 34E





## UNITED STATES PATENT AND TRADEMARK OFFICE

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 United States Patent and Trademark Office  
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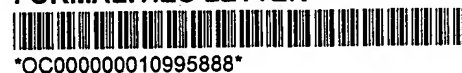
APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/616,303	07/10/2003	Craig Hansen	43876-144

MCDERMOTT, WILL & EMERY  
 600 13th Street, N.W.  
 Washington, DC 20005-3096

**COPY**  
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 OCT 10 2003  
 MW&E

CONFIRMATION NO. 4587

FORMALITIES LETTER



Date Mailed: 10/07/2003

**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

**Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 385 to complete the basic filing fee for a small entity.*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

The following item(s) appear to have been **omitted** from the application:

- Figure(s) **34D-E** described in the specification.

I. Should applicant contend that the above-noted omitted item(s) was in fact deposited in the U.S. Patent and Trademark Office (USPTO) with the nonprovisional application papers, a copy of this Notice and a petition (and \$130.00 petition fee (37 CFR 1.17(h))) with evidence of such deposit **must** be filed within **TWO MONTHS** of the date of this Notice. The petition fee will be refunded if it is determined that the item(s) was received by the USPTO.

II. Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the USPTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s) (with a supplemental oath or declaration in compliance with 37 CFR 1.63 and 1.64 referring to such items), and a petition under 37 CFR 1.182 (with the \$130.00 petition fee (37 CFR 1.17(h))) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice.

Applicant is advised that generally the filing fee required for an application is the filing fee in effect on the filing date accorded the application and that payment of the requisite basic filing fee on a date later than the filing date



of the application requires payment of a surcharge (37 CFR 1.16(e)). To avoid processing delays and payment of a surcharge, applicant should submit any balance due for the requisite filing fee based on the later filing date being requested when submitting the omitted items(s) and the petition (and petition fee) requesting the later filing date.

III. The failure to file a petition (and petition fee) under the above options (I) or (II) within **TWO MONTHS** of the date of this Notice (37 CFR 1.181(f)) will be treated as a constructive acceptance by the applicant of the application as deposited in the USPTO. **THIS TWO MONTH PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136(a) or (b).** In the absence of a timely filed petition in reply to this Notice, the application will maintain a filing date as of the date of deposit of the application papers in the USPTO, and original application papers (*i.e.*, the original disclosure of the invention) will include only those application papers present in the USPTO on the date of deposit.

In the event that applicant elects not to take action pursuant to options (I) or (II) above (thereby constructively electing option (III)), amendment of the specification to renumber the pages consecutively and cancel incomplete sentences caused by any omitted page(s), and/or amendment of the specification to cancel all references to any omitted drawing(s), relabel the drawing figures to be numbered consecutively (if necessary), and correct the references in the specification to the drawing figures to correspond with any relabeled drawing figures, is required. A copy of the drawing figures showing the proposed changes in red ink should accompany with any drawing changes. Such amendment and/or correction to the drawing figures, if necessary, should be by way of preliminary amendment submitted prior to the first Office action to avoid delays in the prosecution of the application.

#### **Items Required To Avoid Processing Delays:**

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- Additional claim fees of **\$132** as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

#### **SUMMARY OF FEES DUE:**

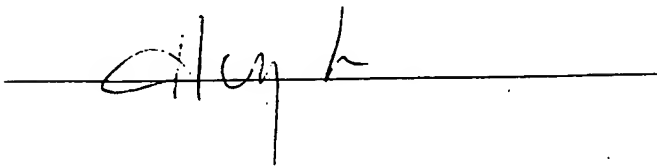
Total additional fee(s) required for this application is **\$582** for a Small Entity

- **\$385** Statutory basic filing fee.
- **\$65** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$132**
  - **\$90** for **10** total claims over 20.
  - **\$42** for **1** independent claims over 3.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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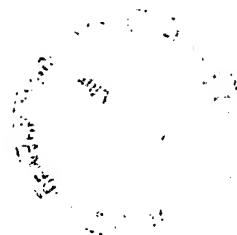
*A copy of this notice **MUST** be returned with the reply.*



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Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY



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